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(54) WATER TREATMENT INSTALLATION HAVING TANGENTIAL FILTRATION LOOP

(57)Abstract:

PURPOSE: To restrict surface, internal and chemical cloggings of a membrane by installing a filtration loop equipped with a circulation pump and a tangential filtration membrane through which a part of liquid to be treated passes and by adding a oxydizing gas into the liquid to be treated at the upper part of the loop of the membrane.

CONSTITUTION: A tangential membrane (1), an apparatus for injecting fine bubbles of ozone (2), an exhaust gas pipe (3) and a circulation pump (4) are included in a filtration loop. A liquid to be treated is introduced into the loop through a conduit (7) equipped with a supply pump (5). By introducing ozone in the form of micro-bubbles, a turbulent flow is created, reducing a

